PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant :	Mark Moshayedi	
App. No.:	09/514,633	

Filed February 28, 2000

APPARATUS FOR STACKING For SEMICONDUCTOR CHIPS

Jhihan B. Clark Examiner:

Group Art Unit 2811

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

ant Commissioner for Patents
ngton, D.C. 20231

Enclosed is form PTO-1449 listing references that are also enclosed. This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410. A duplicate copy of this Statement is enclosed for that purpose.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

3/21/01 Dated: ____

John R. King Registration No. 34,362

Attorney of Record

620 Newport Center Drive

Sixteenth Floor

Newport Beach, CA 92660

(949) 760-0404

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. SIMTECH.088RAC

APPLICATION NO. 09/514,633

GROUP

2811

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT Mark Moshayedi

(USE SEVERAL SHEETS IF NECESSARY)

FILING DATE February 28, 2000

			U.S. PATENT DOCUMENTS			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	3,246,386	04/1966	Ende			
	3,290,559	12/1966	Kirby, et al.			
	3,313,986	04/1967	Kilby			
	3,377,516	04/1968	Ellett, et al.			
	3,403,300	09/1968	Horowitz, et al.			
	3,515,949	06/1970	Michaels, et al.			
	3,535,595	10/1970	Moore			
	3,614,541	10/1971	Farrand			
	3,671,812	06/1972	Peluso, et al.			7.
	3,746,934	07/1973	Stein			RECHIPOLOGY
	3,949,274	04/1976	Anacker			DC II
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	4,364,620	12/1982	Mulholland, et al.			
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	4,574,331	03/1986	Smolley			
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	4,638,406	01/1987	Samson		-	

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*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

U.S. DEPARTMENT OF COMMERCE

PATENT AND TRADEMARK OFFICE

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FORM PTO-1449

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	4,642,735	02/1987	Hodsdon, et al.			
	4,688,864	08/1987	Sorel			
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	4,698,663	10/1987	Sugimoto, et al.			
	4,706,166	11/1987	Go			
	4,761,681	08/1988	Reid			,
	4,770,640	09/1988	Walter			
	4,821,007	04/1989	Fields, et al.			
	4,841,355	06/1989	Parks			
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	4,884,237	11/1989	Mueller, et al.			
	4,924,352	05/1990	Septfons			
	4,953,005	08/1990	Carlson, et al.			
	4,956,694	09/1990	Eide			
	4,996,583	02/1991	Hatada			
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	5,058,265	10/1991	Goldfarb			
	5,086,018	02/1992	Conru, et al.			
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	5,128,831	07/1992	Fox, III, et al.		1	
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	5,155,068	10/1992	Tada			

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	5,198,888	03/1993	Sugano, et al.			****
	5,222,014	06/1993	Lin			
	5,231,304	07/1993	Solomon			
	5,239,447	08/1993	Cotues, et al.			
	5,241,454	08/1993	Ameen, et al.			
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	5,369,058	11/1994	Burns, et al.			
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	5,493,476	02/1996	Bums			
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)	
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EXAMINER	DOCUMENT NUMBER DATE		COUNTRY	CLASS	SUBCLASS	TRANSLATION	
INITIAL						YES	NO
	0 220 460 A2	09/1986	Europe				
	2 645 681	10/1990	France				
	30 984	03/1966	Germany			Х	
	52-75981	12/1975	Japan				
	58-32440	02/1983	Japan				
	58-42247	03/1983	Japan				
	58-219757	12/1983	Japan				
	59-66154	04/1984	Japan				
	59-105345	06/1984	Japan			,	
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	60-160641	08/1985	Japan				
	60-194548	10/1985	Japan				
	60-254762	12/1985	Japan				
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	61-75558	04/1986	Japan				
	61-101067	05/1986	Japan				
	61-137335	06/1986	Japan				
	61-194753	08/1986	Japan				
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INITIAL .						YES	NO
	2-260448	10/1990	Japan				
	3-96266	04/1991	Japan				
	4-209562	07/1992	Japan				
	5-13666	01/1993	Japan				
	5-29540	05/1993	Japan			Х	
	6-45501	02/1994	Japan				
	6-77644	03/1994	Japan			Х	
	7-122842	05/1995	Japan				

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	1	Patent Abstract of Japan, Publication No. 05029534, Published May 2, 1993, Inventor, Nakamura Shigemi, entitled "Memory Module", European Patent Office.
	2	"Alternative assembly for memory ICs," XP-002093051, Electronic Engineering, Jan. 1987, p. 22.
	3	International Electronic Device Meeting, IEDM Technical Digest, Washington, D.C., Dec. 6-9, 1987.
	4	3-D Integrated Packaging and Interconnect Technology, Wescon/90 Conference Record, held Nov. 13-15, 1990, Anaheim, CA.
	5	Tuckerman, D.B., et al., "Laminated Memory: A New 3-Dimensional Packaging Technology for MCMs" article, nCHIP, Inc., IEEE, 1994.
	6	1992 Proceedings, 42 nd Electronic Components & Technology Conference, May 18-29, 1992.
,	7	Dense-Pac Microsystems, 16-Megabit High Speed CMOS SRAM.
	8	Dense-Pac Microsystems, 128-Megabyte SDRAM Sodimm.
	9	Dense-Pac Microsystems, 256-Megabyte CMOS DRAM.
i	10	Dense-Pac Microsystems, "While others are still defining it Our customers are cashing in!" flyer.
	11	IBM Technical Disclosure Bulletin, Vertical Chip Packaging, Vol. 20, No. 11A, Apr. 1978.
	12	IBM Technical Disclosure Bulletin, Edge-Mounted MLC Packaging Scheme, Vol. 23, No. 12, May 1981.
	13	IBM Technical Disclosure Bulletin, Process for Producing Lateral Chip Connectors, vol. 32, No. 3B, Aug. 1989.
-	14	Research Disclosure, Organic Card Device Carrier, 31318, May 1990, No. 313.
~	15	Dense-Pac Microsystems, "3-D Technology," 1993, 15 pages.
	16	Dense-Pac MicroSystems, Inc., "Short Form Catalog," 1991, 20 pages.
-	17	"New levels of hybrid IC density are provided by Three-Dimensional Packaging" article, 2 pages.

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. SIMTECH.088RAC	APPLICATION NO. 09/514,633
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EXAMINER INITIAL		OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)		
	18	Dense-Pac MicroSystems, Inc., "Short Order Catalog," 1990, 12 pages.		
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	20	"Electronic Packaging & Production" article, A Cahners Publication, Jan. 1992, 2 pages.		
	21	"Introducing a Revolutionary 3 Dimensional Package Type-The SLCC," John Forthun, Advancement In Technology, Feb. 26, 1992, 12 pages.		
	22	Dense-Pac Microsystems, Inc., 256KX1BASED CMOS SRAM Family - Preliminary, 1988/89.		
	23	Dense-Pac Microsystems, Inc., DPS256X16A3 Ceramic 256K x 16 CMOS RAM Module, 1991.		
	24	Dense-Pac Microsystems, Inc., DPS128X24AV3, High Speed 128K x 24 CMOS SRAM Versa-stack, 1991.		
	25	Dense-Pac Microsystems, Inc., 8 Magabit CMOS SRAM, DPS256S32W, 1994.		
	26	Dense-Pac Microsystems, Inc., 128 Megabit CMOS DRAM, DPD16MX8PH4, 1994.		

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